PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Hidekazu KOJIMA et al.

ATTN: PCT Branch

Application No.:

09/423,461

Docket No.:

104651

Filed:

November 30, 1999

For:

OPTICAL FIBER OBSERVING IMAGE PROCESSING APPARATUS

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS
UNDER 35 U.S.C 371 IN THE UNITED STATES

DESIGNATED/ELECTED OFFICE (DO/EO/US)

DECLARATION ALREADY FILED

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C 371 in the United States Designated/Elected Office (DO/EO/US) (copy attached) mailed on <u>January 13, 2000</u>, the executed Declaration of the inventors was filed on <u>November 30, 1999</u>. A copy of the executed Declaration as filed, a copy of the Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371, and a copy of the stamped postcard receipt are attached hereto. The surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)) was also paid on <u>November 30, 1999</u> with our Check No. <u>104663</u> for <u>\$130.00</u>.

Entry of these documents on <u>November 30, 1999</u> should have completed all of the filing formalities. Accordingly, prompt issuance of a Notification of Acceptance and Filing Receipt, and prompt examination and allowance of this application are respectfully solicited.

The Commissioner is hereby authorized to charge any additional fee (or credit any overpayment) associated with this communication to Deposit Account No. 15-0461. Two duplicate copies of this paper are attached.

Respectfully submitted,

hon farlen

James A. Oliff

Registration No. 27,075

Thomas J. Pardini

Registration No. 30,411

JAO:TJP/kmc

OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, Virginia 22320 Telephone: (703) 836-6400 DEPOSIT ACCOUNT USE
AUTHORIZATION
Please grant any extension
necessary for entry;
Charge any fee due to our
Deposit Account No. 15-0461



UNITED STATES DEPARTMENT OF COMMERCE Patent and Tradem Office Address: ASSISTANT COMMISSIONER FOR PATENTS BOX PCT

		To MATTE OF LA	Washington, D.C.	20231		
U.S. APPLICATION NO.			FIRST NAMED APPLICA	٧T	ATTY. DOCKET NO.	
09/423,461		· KUJIMA		F	104651	
	•			INTERNAT	TIONAL APPLICATION NO.	
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•			I DATE M	IAU ED	01/13/00	
NOTIFICATION	OF MIC	CINC DECLUDERS				
NOTIFICATION	OF MIS	DESIGNATED/EL	ENTS UNDER 35 (J.S.C. 3	71 IN THE UNITED	
1. The following item:	s have been	submitted by the applica	ECIED OFFICE ()	d States Da	US)	
Office as	Sesignated C	Office (37 CFR 1.494),	or the 15 to the Office	a orace i a	tent and Trademark	
		ice (37 CFR 1.495):		Fel	bruary 13, 2000	
U.S. Basic Nat Copy of the int		onlication in:				
E copy of the fine	ion-English	Ianguage.			•	
En	glish.					
ranslation of t	he internatio	nal application into Engl	ish.			
Copy of Article	ation of inve	ntors(s) for DO/EO/US.				
		nendments into English.			•	
☐ The Internation	al Prelimina	ry Examination Report in	English and its Annexe	s, if any.	•	
Translation of	Annexes to t	he International Prelimin		into Englis	h.	
Information Dis	chamenus: :	filed <u>69 NOV 1999</u> ement(s) filed	and and		•	
Assignment doc		omeni(s) mea			_ ·	
		Change of Address.				
Substitute speci			 '			
Priority Docum		zinity Status.				
Copy of the Int		earch Report and cop	ies of the references cite	d therein.	•	
Other:	MITIOT L	£				
acceptance under 35 U	.S.C. 371:	rumished within the peri-	od set forth below in ord	er to comp	elete the requirements for	
a. Translation of	of the applica	ation into English. Note	a processing fee will be	required if	submitted	
later than the	: appropriate	20 or 30 months from the	ne priority date.			
☐ The cu Transi	urrent transla	ation is defective for the	reasons indicated on the	attached No	otice of Defective	
		ling the translation of the	application and/or the A	Doese lote	or that the	
appropriate 2	20 or 30 mor	oths from the priority dat	e (37 CFR 1.492(fl).			
C. Oath or declar	aration of the	inventors, in compliance	e with 37 CFR 1.497(a)	and (b), id	entifying the application	
by the Intern	ational applic	cation number and intern	ational filing date.			
on the	attached PC	T/DO/EO/917. Light control	mpiy with 37 CFR 1.497	(a) and (b)	for the reasons indicated	
d. Surcharge for	r providing t	he oath or declaration lat	er that the appropriate 2	0 or 30 mo	onths from the	
priority date	(37 CFR 1.4	92(e)).	新文 新教育的 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	time ji	70 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
3. Additional claim fee	s or 3	as a _ large en Applicant must submit th	ntity small entity, inc	luding any	required multiple	
which fees are due (37	CFR 1.492(g)). See attached PTO-8	75.	i cancei in	e additional claims for SI	
					ત્યું સ્	ı
MONTH FROM THE	SET FORT	H IN 2(a)-2(d) AND 3	ABOVE MUST BE SUI	BMITTED	WITHIN ONE	Φ
DATE FOR THE APP	LICATION	THIS NOTICE OR BY , WHICHEVER IS LA	LEB EVILLIBE TO D	HS FROM	PESPOND UT	epp
RESULT IN ABANDO	NMENT.	, LOILD V DIC 10 DIL	EM. PALLONE TO I	NOI ERL	T_	E
			•		ler the provisions of	ē
CFR 1.136(a).	ve may be ex	ttended by filing a petition	n and fee for extension	of time und	ler the provisions of 3 0 0 0	ેલ્ટ
CIR 1.130(a).			•		$\mathbf{A} = \mathbf{A} \cdot \mathbf{A}$	生
4. Translation of the Ar	nnexes MUS	T be submitted no later t	hat the time period set a	bove or the	annexes will be	C
cancelled. Note process	ing fee will i	be required if submitted.	later than 30 months\from	m the prior	rity date	
5. The Article 19 amond 1.494(d)) or 30 (37 CFR	endments are	cancelled since a transl	ation was not provided b	y the appro	opriate 20 (37 CFR	1
(a)) or 50 (57 C1 K	1.495(0)) 11	ionals from the priority (iale.		<u> </u>	Ċ
Applicant is reminded th	at any comm	unication to the United S	States Patent and Tradem	ark Office	must be mailed to the	•
address given in the head	ling and incl	ude the U.S. application	no, shown above. (37 C	FR 1.5)		
A	AL:	ALL MITTERS	u Marina		en a financia de la companya de la c	
		tice MUST b		in this	response.	
Enclosed: PCT/DO/I	:U/917	Notice of Defective	Translation	Notice	Ca Store Diseases	
FORM PCT/DO/EO/905	(December	1997)	Telephone: (703)	(793)	TIK GROE	
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(1390 RI	EEV. 5-93) US DEPT. OF COMMERCE PA	ATI JEY'S DOCKET NUMBER 104651						
	TRANSMITTAL LET UNITED ST. DESIGNATED/ELEC (DO/EO/US) CONCER UNDER 35 U.S	U.S. APPLICATION NO. (if known, sec 37 C.F.R.1.5)						
	NATIONAL APPLICATION NO. P99/00445	INTERNATIONAL FILING DATE February 3, 1999	PRIORITY DATE CLAIMED March 18, 1998					
_	OF INVENTION AL FIBER OBSERVING IMAGE PRO	OCESSING APPARATUS						
	CANT(S) FOR DO/EO/US IZU KOJIMA et al.	·						
Applica informa		States Designated/Elected Office	e (DO/EO/US) the following items and other					
1.	This is a FIRST submission of	f items concerning a filing under 35	5 U.S.C. 371.					
2.	This is a SECOND or SUBSE	QUENT submission of items conce	erning a filing under 35 U.S.C. 371.					
3.		This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).						
4.	A proper Demand for International Claimed priority date.	A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.						
5.	a. is transmitted herewithb. has been transmitted b	b. has been transmitted by the International Bureau.						
6.	A translation of the Internation	A translation of the International Application into English (35 U.S.C. 371(c)(2)).						
7.	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. are transmitted herewith (required only if not transmitted by the International Bureau). b. have been transmitted by the International Bureau. c. have not been made; however, the time limit for making such amendments has NOT expired. d. have not been made and will not be made.							
8.	A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).							
9. 🛭	An oath or declaration of the ir	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).						
10.	A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).							
Items 1		document(s) or information inclitement under 37 CFR 1.97 and 1.9						
12.	An assignment document for r included.	ecording. A separate cover sheet	t in compliance with 37 CFR 3.28 and 3.31 is					
13.	A FIRST preliminary amendme	ent.						
	A SECOND or SUBSEQUENT	Γ preliminary amendment.						

14.

A substitute specification.

☐ A small entity statement.

Other items or information:

15.

16.

U.S. APPLICATION NO C.F.R. 1.5)	INTERNATIONAL APPLICATION NO. PCT/JP99/0445		ON NO.	ATTORNEY'S DOCKET NUMBER 104651		
17. The following fees are submitted:				CALC	JLATIONS	PTO USE ONLY
Basic National fee (37 CFR 1.492(a)(1)-(5)):						
Search Report	has been prepared by					
	eliminary examination					
(37 CFR 1.482) (37 CFR 1.445(l preliminary examinat but international sear a)(2))	ch fee paid to	USPTO \$760.00			
1.482) nor inter	ional preliminary exan national search fee (3	7 CFR 1.445	(a)(2))			
(37 CFR 1.482)	eliminary examination and all claims satisfie	d provisions	of PCT			
	ENTER APPROPRI	ATE BASIC I	FEE AMOUNT =	\$		
Surcharge of \$130.00 ☑ 20 ☐ 30 months 1.492(e)).	for furnishing the oath from the earliest claim			\$130.00		
Claims	Number Filed	Number Extra	Rate		-	
Total Claims	- 20 =		X \$ 18.00	\$	· ·	
Independent Claims	- 3 =		X \$ 78.00	\$		
Multiple dependent cla	i aim(s)(if applicable)	1	+ \$260.00	\$		
		ABOVE CAL	.CULATIONS =	\$130.00		
Reduction by 1/2 for fi Entity Statement must				\$		
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Processing fee of \$13 than \square 20 \square 30 mont 1.492(f)).				\$		
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b. Please cha of this shee c. The Commi	104663 in the amount rge my Deposit Accou et is enclosed. issioner is hereby auth nt, to Deposit Account	nt No	in the amount o	of \$ to contain the same of \$ to contain the same of the same of \$1.00 to \$1	over the above may be require	
NOTE: Where an ap 1.137(a) or (b)) must	propriate time limit u be filed and granted	nder 37 CFF to restore ti	R 1.494 or 1.495 he application to	has not been o pending st	n met, a petitio atus.	on to revive (37 CFR
SEND ALL CORRESF OLIFF & BERF P.O. Box 199	RIDGE, PLC			The	Haden	
	/irginia 22320			IAME: James REGISTRATIO	S A. Oliff ON NUMBER: 2	27,075
JAO:TJP/kmc				IAME: Thoma	as J. Pardini DN NUMBER: 3	30,411
(1390 Rev.8-93)						

Docket No.: 104651

DECLARATION AND POWER OF ATTORNEY UNDER 35 USC §371(c)(4) FOR PCT APPLICATION FOR UNITED STATES PATENT

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below under my name;

I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if phural names are listed below) of the subject matter which is claimed and for which a patent is sought, namely the invention entitled: OPTICAL FIBER OBSERVING IMAGE PROCESSING APPARATUS described and claimed in international application number PCT/IP99/00445 filed February 3, 1999.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

Under Title 35, U.S. Code §119, the priority benefits of the following foreign application(s) filed by me or my legal representatives or assigns within one year prior to my international application are hereby claimed:

Japanese Patent Application No. 10-68596 filed on March 18, 1998

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to my international application, or (b) before the filing date of the above-named foreign priority application(s):

I hereby appoint the following as my attorneys of record with full power of substitution and revocation to prosecute this application and to transact all business in the Patent Office:

James A. Ottff, Reg. No. 27,075; William P. Berridge, Reg. No. 30,024; Kirk M. Hudson, Reg. No. 27,562; Thomas J. Pardini, Reg. No. 30,411; Edward P. Walker, Reg. No. 31,450; Robert A. Miller, Reg. No. 32,771; Mario A. Costantino, Reg. No. 33,565; and Caroline D. Dennison, Reg. No. 34,494.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320, TELEPHONE (703) 836-6400.

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

	ypewritten F f Sole or Firs			Hidekszn		KOJIMA	
2 I	Inventor's Signature			iven Name	Middle Initial	Family Name	
Date of Signatur		sture	/	Vovember	25	1999	
	Lesidence:		Tokyo	Month	Day	Year JAPAN	
(Citizenship:	JAPAN	City		State or Province	Country	
	Po	t Office Address:		c/o THE FURUKAWA ELECTRIC CO., LTD.			
	(Insert complete mailing address, including country)			6-1, Marunou JAPAN	chi 2-chome, Chiyoda-ku,	Tokyo, 100-0005	

Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and insert the actual date of signing on line 3.

IF THERE IS MORE THAN ONE INVENTOR USE PAGE 2 AND PLACE AN "X" HERE (2) (Discard this page in a sole inventor application)

1	Typewritten Full Name	_	•				
	of Joint Inventor	Seiryo		MISHIMA			
2	Inventor's Signature:	Given Name	Middle Initial	Family Name			
3	Date of Signature:	November	25	1999			
	Residence:	Month Tokyo	Day	Year JAPAN			
		City	State or Province	Country			
	Citizenship: JAPAN						
	Post Office Addre	ss: c/o THE FURUKAWA	ELECTRIC CO., LTD.				
	(Insert complete maili address, including cou) 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, 100-0005 JAPAN				
1	Typewritten Full Name of Joint Inventor						
2	Inventor's Signature:	Given Name	Middle Initial	Family Name			
3							
3	Date of Signature: Residence:	Month	Day	Year			
		City	State or Province	Country			
	Citizenship:						
	Post Office Addres (Insert complete mailing address, including cou	ng		<u> </u>			
1	Typewritten Full Name of Joint Inventor						
2	Inventor's Signature:	Given Name	Middle Initial	Family Name			
	•						
3	Date of Signature:	Month	Day	Year			
	Residence:						
	Citizenship:	City	State or Province	Country			
	Post Office Addres (Insert complete mailing address, including cou	18					
1	Typewritten Full Name of Joint Inventor						
2	Inventor's Signature:	Given Name	Middle Initial	Family Name			
3	Date of Signature:						
•	Residence:	Month	Day	Year			
		City	State or Province	Country			
	Citizenship:	•					
	Post Office Addres (Insert complete mailin address, including cour						

Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and fewer the actual date of signing on line 3.

This form may be executed only when attached to the first page of the Declaration and Power of Attorney of the application to which it pertains.

The following papers have been filed:

PCT Transmittal, #104663, (\$130), exec. Declaration; Assignment Transmittal, #104662, (\$40), exec. Assignment.

Name of Applicant: Hidekazu KOJIMA and Seiryo MISHIMA Serial No.: U.S. National Stage of PCT/JP99/00445

Atty. File No.:

104651

Title (New Cases):

FIBER OBSERVING **IMAGE**

PROCESSING

Sender's Initials:

JAO:TJP/kmc

APPARATUS

OPTICAL

TC 2700 MAIL ROOM

PATENT OFFICE DATE STAMP

COPY TO BE STAMPED BY PATENT OFFICE AND RETURNED BY MESSENGER

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Hidekazu KOJIMA et al.

ATTN: Application Branch

Application No.: 09/423,461

Docket No.: 104651

Filed: November 30, 1999

For:

OPTICAL FIBER OBSERVING IMAGE PROCESSING APPARATUS

NOTIFICATION OF ERRORS IN FILING RECEIPT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Attached is a photocopy of the original filing receipt on which errors have been corrected in red. These errors are being brought to the attention of the Patent and Trademark Office so that it may correct its records. No corrected filing receipt is requested in view of the fact that the errors will not be transferred to the Letters Patent upon its issuance under the Patent and Trademark Office policy announced at 1220 O.G.42 (March 9, 1999). Please contact the undersigned if there is any question about the accuracy of these corrections.

Respectfully submitted,

James A. Oliff

Registration No. 27,075

Thomas J. Pardini

Registration No. 30,411

JAO:TJP/kmc

OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, Virginia 22320 Telephone: (703) 836-6400

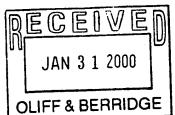
DEPOSIT ACCOUNT USE **AUTHORIZATION** Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461 FILING RECEIPT



UNITED STATE DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO	. DRWGS	TOT CL	IND CL
09/423,461	11/30/99	2713	\$2,698.00	104651	30	25	1

OLIFF & BERRIDGE PO BOX 19928 ALEXANDRIA VA 22320



Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANIT, and TITLIFT OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Rings exply the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial PateAttexamination.

Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to the Missing Parts of Application" ("Missing Parts Notice") in this application, please submit any corrections to this Filing Receipt with your apply to the "Missing Parts Notice." When the PTO processes the reply to the "Missing Parts Notice," the PTO will generate another Filing Receipt Incorporating the required corrections (if appropriate).

Applicant(s)

HIDEKAZU KOJIMA, TOKYO, JAPAN; SEIRYO MISHIMA, BOKYO, JAPAN.

CONTINUING DATA AS CLAIMED BY APPLICANT-THIS APPLN IS A 371 OF PCT/JP99/00445 02/03/99

FOREIGN APPLICATIONS-

JAPAN

10-68596

03/18/98

IF REQUIRED, FOREIGN FILING LICENSE GRANTED 01/24/00

-IMAGE PROCESSOR FOR OBSERVING OPTICAL FIBER
OPTICAL FIBER OBSERVING IMAGE PROCESSING APPARATUS
PRELIMINARY CLASS: 348

DATA ENTRY BY: ORDONEZ, MARTA

TEAM: 11 DATE: 01/24/00

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(See reverse for new important information)